

KOZLOVSKIY, N.S., starshiy prepodavatel'

Improving the quality of planetary mechanisms. Izv.vys.ucheb.zav.;  
mashinostr. no.1:29-39 '63.

(MIRA 16:5)

1. Moskovskiy institut radioelektroniki i gornoy elektromekhaniki.  
(Gearing)

KOZLOVSKIY Nikolay Sergeyevich

[Calculation and design of precision-type mechanisms; manual on methods] Raschet i konstruirovaniye tochnykh mekhanizmov; uchebno-metodicheskoe posobie. Moskva, Mosk. in-t radielektroniki i gornoj elektromekhaniki, 1964. 110 p. (MIRA 18:5)

KOZLOVSKIY, N.S., starshiy prepodavatel'

Efficient design of planetary mechanisms. Nauch. trudy Mosk.  
inst. radioelek. i gor. elektromekh. no. 49 pt.2:79-86 '64  
(MIRA 19:1)

KOZLOVSKIY, Oleg Mikhaylovich, mladshiy nauchnyy sotrudnik

Some results of trial runs of "N60" and "F" series a.c. locomotives. Izv. vys. ucheb. zav.; elektromekh. 6 no.8:1004-1013 '63. (MIRA 16:9)

1. Institut avtomatiki i elektrometrii Sibirskogo otdeleniya AN SSSR.

KARASEV, M.F.; KOZLOV, V.N.; KOZLOVSKIY, O.M.; LITVINOV, I.R.;  
TRUSHKOV, A.M.; FALEYEV, V.A.

Experimental study of the sparking of electric locomotive  
traction motors during operation. Izv. vys. ucheb. zav.;  
elektromekh. 4 no. 1:68-74 '61. (MIRA 14:4)  
(Electric railway motors)

KOZLOVSKIY, O.M., inzh.

Effect of sudden temperature changes on the aging of glass mica  
organosilicon insulation. Vest. elektroprom. 92 no.12:47-49  
D '51. (MIRA 14:12)

(Electric insulators and insulation)

KOZLOVSKIY, Oleg Mikhaylovich, mladshiy nauchnyy sotrudnik

Some results of the studies of the commutation of the traction  
motors of a.c. locomotives. Izv. vys. uch. zav.; elektromekh.  
5 no.8:953-958 '62. (MIRA 15:8)

1. Institut avtomatiki i elektrometrii Sibirskogo otdeleniya  
AN SSSR.

(Electric locomotives) (Electric railway motors)

KOZLOVSKIY, P. A.

"Connections Between Hydrological and Terrestrial Electricity Problems"

report presented at the 3rd All-Union Hydrological Congress, 7-17 Oct 1957,  
Leningrad.

(Izv. Ak Nauk SSSR, ser geograf., 3, pp3-9, '58)



KOZLOVSKIY, P. A.

KOZLOVSKIY, P. A. - "On Stomach and Duodenal Ulcers in Children and Adolescents."  
Minsk State Med Inst, Minsk, 1954 (Dissertations for Degree of Candidate of Medical  
Sciences)

SO: Knizhnaya Letopis' No. 26, June 195 , Moscow

KOZLOVSKIY, P.A.

Complete inversion of the internal organs and duodenal ulcer.  
Khirurgia no.7:80-81 J1 '55. (MLRA 8:12)

1. Iz fakul'tetskoy khirurgicheskoy kliniki Minskogo meditsin-  
skogo instituta (dir.-prof. N.T.Petrov)  
(DUODENUM--ULCERS) (VISCERA--ABNOIMITIES AND DEFORMITIES)

KOZLOVSKIY, P.

Meeting of the Surgical Society. Zdrav.Belor. 3 no.10:3 of  
cover.0 '57. (MIRA 13:6)  
(WHITE RUSSIA--SURGICAL SOCIETIES)

KOZLOVSKIY, P.A., assistant

Surgical diseases of the abdominal cavity in cases of completely reversed location of the internal organs. Zdrav. Belor. 4 no.2: 64 F '58. (MIRA 13:8)

1. Iz fakul'tetskoy khirurgicheskoy kliniki Minskogo meditsinskogo instituta (zaveduyushchiy kafedroy - professor P.N. Maslov).  
(ABDOMEN--SURGERY)

KOZLOVSKIY, P.A., kand.med.nauk

Botkin's disease in surgeons. Sov.med. 22 no.11:148-149 N'58  
(MIRA 11:11)

1. Iz 2-y gorodskoy ob'yedinennoy klinicheskoy bol'nitsy Minska  
(glavnyy vrach B.V. Drivotinov).  
(HEPATITIS, INFECTIOUS  
in surgeon (Rus))

KOZLOVSKIY, P.A., kand.med.nauk (Minsk, Leninskaya ul., d.39, kv.6)

Complicated gastric and duodenal ulcers in childhood and adolescence.  
[with summary in English]. Vest.khir. 80 no.5:43-49 My '58 (MIHA 11:7)

1. Iz fakul'tetskoy khirurgicheskoy kliniki (zav. - prof. P.N. Maslov)  
Minskogo meditsinskogo instituta.  
(PEPTIC ULCER, complications,  
in adolescents & child. (Rus))

KOZLOVSKIY, P.A., kand.med.nauk

Obligatory surgery in intestinal obstruction and possible errors. Zdrav.Belor. 5 no.8:64-65 Ag '59. (MIRA 12:10)

1. Iz fakul'tetskoy khirurgicheskoy kliniki (zaveduyushchiy kafedroy - prof.P.N.Maslov) Minskogo meditsinskogo instituta.  
(INTESTINES--OBSTRUCTIONS)

KOZLOVSKIY, P.A., kand.med.nauk; AVDEY, L.V.

Acute cholecystitis in children. Zdrav. Belor. 5 no.1:13-14  
Ja '60. (MIRA 13:5)

1. Iz fakul'tetskoy khirurgicheskoy kliniki Minskogo meditsinskogo  
instituta (zaveduyushchiy kafedroy - professor P.N. Maslov).  
(GALL BLADDER--DISEASES)



KOZLOVSKIY, P.A.

"Goiter and its control" by V.G. Astapenko, Reviewed by P.A.  
Kozlovskii. Zdrav.Bel. no.3:78 '62. (MIRA 15:5)  
(GOITER) (ASTAPENKO, V.G.)

KOZLOVSKIY, P.A., kand.med.nauk; KOSMACHEV, V.I., kand.med.nauk

Primary isolated lymphogranulomatosis of the gastrointestinal tract. Khirurgiia no.3:84-88 '62. (MIRA 15:3)

1. Iz kafedry fakul'tetskoy khirurgii (zav. - prof. P.N. Maslov)  
Minskogo meditsinskogo instituta.  
(HODGKIN'S DISEASE) (ALIMENTARY CANAL--DISEASES)

MASLOV, P.N., doktor med.nauk, prof.; KOZLOVSKIY, P.A., kand.med.nauk

Closed trauma of the skull. Zdrav. Bel. 8 no.4:15-17 Ap '62.  
(MIRA 15:6)

1. Minskiy meditsinskiy institut, kafedra fakul'tetskoy  
khirurgii.

(SKULL--WOUNDS AND INJURIES)

KOZLOVSKIY, P.M.

Pipe-bending unit with high-frequency heating. Mont.i spets.rab.v  
stroi. 22 no.6:21-23 Jl '60. (MIRA 13:7)

1. Trest Soyuzprommontazh.  
(Induction heating) (Pipe bending)

KOZLOVSKIY, P.N., dotsent

Geographical distribution of birds in the habitats of Saratov  
Province. Uch. zap. Sar. gos. pedagog. inst. no.28:136-156 '57.

(MIRA 11:7)

(Saratov Province--Birds--Geographical distribution)

ABRAMTSEV, Ye.P.; KOZLOVSKIY P.R.; GENKIN, S.R.

Automatic control of conveyer lines, Bezop.truda v prom. 3 no.8:  
22-25 Ag '59. (MIRA 12:11)  
(Mine haulage) (Automatic control)

BOGUTSKIY, S.S., kand.tekhn.nauk; KOZLOVSKIY, P.R., inzh.

Simplified cableless network for the automatic control of  
conveyors. Sbor. KuzNIUI no.8:144-149 '61. (MIRA 16:3)  
(Conveying machinery) (Automatic control)

KOZLOVSKIY, P.R., inzh.; STEPKIN, A.N., tekhnik

Cableless network for remote automatic control of conveyors with  
one lead in the control circuit. Sbor. KuzNIUI no.8:161-165  
'61. (MIRA 16:3)  
(Conveying machinery) (Automatic control)



BOGUTSKIY, S.S., kand.tekhn.nauk; KOZLOVSKIY, P.R., inzh.; STEPKIN, A.N.,  
tekhnik

Cableless sparkproof network with three bare conductors for lines  
with radial feeding for automatically controlling conveyors, made  
by the Kuznetak Scientific Research Coal Institute. Sbor. KuzNIUI  
no.8:166-170 '61. (MIRA 16:3)  
(Conveying machinery) (Automatic control)

BOGUTSKIY, S.S.; ZAKHVATKINA, B.I.; KIL'MAN, A.Sh.; KISLOV, A.N.;  
KOZLOVSKIY, P.R.; MOLCHANOV, V.R.; TARASEVICH, L.I.; BAKKAL,  
R.A., otv. red.; BELOV, V.S., red. izd-va; OVSEYENKO, V.G.,  
tokhn. red.

[Automatically controlled mining systems] Rudnichnye avtomati-  
cheskie ustanovki; prakticheskoe posobie po avtomatizatsii na  
shakhte. Moskva, Gosgortekhnizdat, 1962. 195 p.

(MIRA 15:12)

(Mining machinery) (Automatic control)

MALEVANAYA, Sof'ya Vasil'yevna; KOZLOVSKIY, Pavel Rostislavovich;  
MAKSIMOV, Viktor Ivanovich; GOLOV, Aleksey Savinovich;  
DERIGLAZOV, Ivan Ivanovich; BAKKAL, R.A., otv. red.; BELOV,  
V.S., red. izd-va; IL'INSKAYA, G.M., tekhn. red.

[Overall mechanization and automation of underground transportation in coal mines] Kompleksnaia mekhanizatsiia i avtomatizatsiia podzemnogo tranporta na ugol'nykh shakhtakh. [By] S.V. Malevannaia i dr. Moskva, Gosgortekhnizdat, 1963. 171 p.  
(MIRA 16:6)

(Mine haulage) (Automatic control)

KOZLOVSKIY, P.R., aspirant

Automation of conveyors with fault signaling systems responsive  
to stresses. Sbor. nauch. trud. Kem. gor. inst. no.5:55-60 '64.  
(MIRA 18:3)

1. Gorno-elektromekhanicheskiy fakul'tet Kemerovskogo gornogo  
instituta.

KOZLOVSKIY, P.R., inzh.

System and equipment for automatic control of conveying lines.  
Sbor. KuzNIUI no.10:253-277 '64. (MFA 18:9)

KOZLOVSKIY, P.R., inzh.; ABRAMTSEV, Ye.P., inzh.; BOGDANOV, Yu.V., inzh.

Automatic control of a branched conveying line at the "Tomusinskaya-1-2"  
mine. Sbor. KuzNIUI no.10:278-284 '64. (MIRA 18:9)

KOZLOVSKIY, P.R., inzh.; BOGDANOV, Yu.V., inzh.; BELCKRYLOV, V.V., inzh.

Automatic control of conveyors preventing the breakdown  
of their operating members. Sber. KuzNIUI no.10:292-300  
'64. (MIRA 18:9)

KOZLOVSKIY, P.R., inzh.; FADEYEV, A.N., inzh.

The UKA-2 equipment for automatic control of conveyors and its  
operation. Sbor. KuzNIUI no.10:301-326 '64. (MIRA 18:9)



KOZLOVSKIY, P.R., inzh.

Automatic control of conveyors with automatic regulation of  
stresses in traction members. Sbor. KuzNIIUI no.10:327-339  
'64. (MIRA 18:9)

KOZLOVSKIY, P.S., inzh.; SLIVINSKIY, V.V., inzh.

Eliminate defects in the standard plan of an alternating-  
current traction substation. Transp.stroi. 12 no.7<sup>344-45</sup>  
Jl '62. (MIRA 16:2)  
(Railroads—Electrification) (Electric substations)

KOZLOVSKIY, P.S., inzh.; SLIVINSKIY, V.V., inzh.

Special features of alternating current electrification of  
a part of the Odessa Road. Transp. stroi. 13 no.5:9-12 My '63.  
(MIRA 16:7)

(Railroads—Electrification)

KOZLOVSKY, P.U.

Study and promote new and advanced techniques. Shvein.prom. no.5:37  
S-O '60. (MIRA 13:12)

(Clothing industry)

STARSHINOVA, S.K. (Moskva); KOZLOVSKIY, P.U. (Moskva); BELEN'KAYA, M.M.  
(Moskva)

The aggregate-group line production in the manufacture of men's  
shirts. Tekstilna-prom 12 no.2:37-39 '62.

STARSHINOVA, S.K.; KOZLOVSKIY, P.U.; BELEN'KAYA, M.M. (Moskva)

Grouped-unit production lines for the manufacture of men's  
shirts. Shvein.prom. no.5:10-15 S-O '62, (MIRA 15:10)  
(Assembly-line methods) (Men's shirts)

KOZLOVSKIY, S.

Coordinating the research on labor organization and establishment  
of work norms. Biul. nauch. inform.: trud i zar. plata 4 no.3:3-7  
'61. (MIRA 14:3)

(Labor and laboring classes—Research) (Production standards—Research)

KOZLOVSKIY, S.

Conference of the Coordinating Council on Problems of Labor  
Organization and Establishment of Work Standards in the U.S.S.R.

Biul.nauch.inform.: trud i zar.plata 4 no.6:52-56 '61.

(MIRA 14:6)

(Production standards) (Industrial management)



KOZLOVSKIY, S.

Conference of the Coordinating Council on the Problems of the  
Organization of Work and the Establishment of Work Norms in the  
U.S.S.R. Biul. nauch. inform.: trud i zar. plata 5 no.5:29-34  
'62. (MIRA 15:7)  
(Labor and laboring classes) (Production standards)

TESHCHUK, A.; KOZLOVSKIY, S., inzhener (TsPKB-2).

Progressive techniques and the mechanization of hull maintenance and dockyard repairs. Mor. flot 16 no.7:23-26 J1 '56. (MLRA 9:11)

1. Glavnyy inzhener Glavmorproma (for Teshchuk).  
(Ships--Maintenance and repair)

TESHCHUK, A.; KOZLOVSKIY, S.

Progressive techniques and the mechanization of hull maintenance and  
deckyard repairs (conclusion). Mor.flot 16 no.8:23-25 Ag '56.

(MIRA 9:10)

1.Glavnyy inzhener Glavmorproma (for Teshchuk).2.Inzhener TsPKB-2  
(for Kozlovskiy).

(Hulls (Naval architecture)) (Ships--Maintenance and repair)

KOZLOVSKIY, S.

How to coordinate the theoretical studies on the establishment  
of work norms. Sots.trud. 7 no.6:87-89 Je '62. (MIRA 16:2)  
(Production standards)  
(Time study)

L 63105-65 EWT(a)/EPF(a)/EPF(a)-2/EPF(a) RE/DW  
 UR/0086/65/018/005/0522/0525  
 739,122,539,121-73

ACCESSION NR: APOK174  
 AUTHOR: Koslovsky, S. A.; Nalimov, V. S.; Popkov, K. K.; Lebedev, B. N.

TITLE: Influence of boron-containing block structures on the yield of capture  $\gamma$  radiation

SOURCE: Atomnaya energiya, v. 18, no. 5, 1965, 522-527

TOPIC TAGS: reactor shielding, boron shielding, capture gamma radiation, neutron distribution, thermal neutron, epithermal neutron

ABSTRACT: The authors investigated the effect of various boron-containing block structures on the amount of capture  $\gamma$  radiation that leaves the primary shield of a water-water reactor. The reactor shell, the heat screens, and the layers of water between the screens were imitated respectively by sheets of steel (B-5) and Plexiglas measuring 600 x 800 mm. Block assemblies made of boron carbide and boric acid were tested. The geometry of the experiment is shown in Fig. 1 of the enclosure. The emitter was a Po-Be source of  $10^6$  neut/sec. The spatial distribution of the neutrons in the shield with and without the block layers are plotted for both thermal and epithermal neutrons. The results are compared with calculations. The yields of the capture  $\gamma$  radiation were estimated from the areas under

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1 63105-65

ACCESSION NR: AP-01N544

the curves. Certain discrepancies with the results of others are attributed to differences in the geometry. The author thanks L. D. Broder for valuable advice, and V. N. Dorofeykov, V. G. Kozlov, L. G. Kocherova, V. A. Lazukov, and Yu. K. Spivak for help with the work. Orig. art. has 6 figures.

ASSOCIATION: none

SUBMITTED: 22 May 64

NR REF SOV: 003

ENCL: 01

OTHER: 000

SUB CODE: NF

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65-105-65  
ACCESSION NO. AP6014500

ENCLOSURE 01

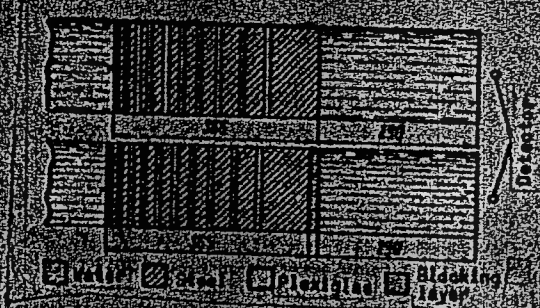


Fig. 1. Geometry of the experiment

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KON'KOV, Aleksey Ivanovich; ZEL'DIN, Yuliy Rafailovich; KURGIN,  
Yuriy Mikhaylovich; KOZLOVSKIY, Sergey Dmitriyevich;  
KON'KOVA, Mayya Borisovna; LUDSKOY, Konstantin  
Dmitriyevich; BELIN'KIY, I.I., retsenzent; ABRAMOV, S.A.,  
retsenzent; ZELENSKAYA, G.G., retsenzent; SIBIRTSEV, S.I.,  
retsenzent; VERBITSKAYA, Ye.M., red.

[Equipment for the finishing operations in the textile  
industry] Oborudovanie otdechnogo proizvodstva tekstil'-  
noi promyshlennosti. Moskva, Legkaya Industriya, 1964.  
417 p. (MIRA 18:1)



05454  
SOV/120-59-3-25/46

AUTHOR: Kozlovskiy, S. F.

TITLE: Measurement of Electrical Conductivities  
(O metodakh izmereniya elektroprovodnosti)

PERIODICAL: Priory i tekhnika eksperimenta, 1959, Nr 3,  
pp 110-113 (USSR)

ABSTRACT: Rotating-field methods are considered in relation to powders; Eq (1) gives the torque acting on a sphere in a homogeneous rotating magnetic field. The particles of the powder are insulated one from another and are not ferromagnetic; therefore the particles do not screen one another if the field is a 50 c/s one. It is shown that the torque is proportional to the square of the grain size, if the grains are taken as being spherical. The sensitivity of the method can be increased by reversing the sense of rotation of the field at the natural frequency of the sphere on its suspension; the damping is adjusted by means of a fixed magnetic field. A Q of 100 is feasible. Next, consideration is given to ferromagnetic materials, or to materials with ferromagnetic impurities. Fig 1 shows results for oxygen-free copper containing 0.001% Fe (curves 1, 2, and 3;

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SOV/120-59-3-25/46

# Measurement of Electrical Conductivities

curves 1 and 2 relate to rods made from pressed powders and 3 related to a sphere of sintered powder); curve 4 relates to a sample containing only 0.0001% Fe. Volumes less than 0.1 cm<sup>3</sup> are essential if reasonable accuracy is to be attained. Fig 2 shows the effect of grain size; curves 1, 2, and 3 relate to copper powder mixed with MgO, for which the grain sizes are 0.07 - 0.13, 0.13 - 0.16, and 0.16 - 0.30 mm respectively. Fig 3 relates to Ni and Fe powders; curve 1 is for Ni as a rod 2 mm in diameter and 20 mm long; curve 2 is for Ni (with Fe as impurity) mixed with MgO (made by filing Ni) as a sphere of volume 0.05 cm<sup>3</sup>; and curve 3 is for Fe mixed with MgO as a sphere of volume 0.05 cm<sup>3</sup>. Fig 4 gives the specific resistance of graphite as a function of temperature (curve 1 is for a rod of volume 0.2 cm<sup>3</sup> and density 1.41 g/cm<sup>3</sup>; curve 2 is for a rod of volume 0.3 cm<sup>3</sup> and density 1.53 g/cm<sup>3</sup>; curve 3 is the result given by direct measurements. Fig 5 gives results for a rod of yttrium

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SOV/120-59-3-25/46

Measurement of Electrical Conductivities

hexaboride. There are 5 figures and 9 references, 3 of which are Soviet and 6 Western.

ASSOCIATION: Institut radiotekhniki i elektroniki AN SSSR  
(Institute of Electronics and Radio Engineering,  
Academy of Sciences of the USSR)

SUBMITTED: April 18, 1958

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KOZLOVTSEV, S. G. (Moskva)

Correlation between a Schwarz derivative with respect to a  
set. Mat. sbor. 58 no.4:479-495 D '62. (MIRA 16:1)

(Functions)

KOZLOVSKI<sup>Y</sup>, S. I.

Kozlovskii, S. I. The mechanical equipment of the structures above the mines.  
Khar'kov, Gos. nauch.-tekhn. izd-vo Ukrainy, 1936.

366 p. (49-56705) TN341.K68

*KOZLOVSKIY, S.I.*

FROLOV, A.G., doktor tekhn. nauk; KOZLOVSKIY, S.I., kand. tekhn. nauk.

Loading coal into mine cars without hoppers. Ugol' 32 no.10:36-38  
0 '57. (MIRA 10:11)

(Coal handling machinery)

KOZLOVSKIY S ]

VASIL'YEV, Nikolay Vasil'yevich, dotsent, kand.tekhn.nauk; POLYAKOV, H.S., prof.; retsenzent; SHTOKMAN, I.G., prof., doktor tekhn.nauk, retsenzent; BAKHURIN, K.I., kand.tekhn.nauk, retsenzent; KUZNETSOV, B.A., dotsent, kand.tekhn.nauk, retsenzent; BILICHENKO, N.Ya., dotsent, kand.tekhn.nauk, retsenzent; RENGEVICH, A.A., dotsent, kand.tekhn.nauk, retsenzent; KOZLOVSKIY, S.I., dotsent, kand.tekhn.nauk, retsenzent; YEVNEVICH, A.V., dotsent, kand.tekhn.nauk, otv.red.; GARBER, T.N., red.izd-va; SHKLYAR, S.Ya., tekhn.red.

[Transportation and storage in ore dressing and briquetting plants]  
Transport i sklady na obogatitel'nykh i briketnykh fabrikakh.  
Moskva, Gos.nauchno-tekhn.izd-vo lit-ry po gornomu delu, 1959.  
341 p. (MIRA 13:2)

1. Zaveduyushchiy kafedroy rudnichnogo transporta Dnepropetrovskogo gornogo instituta, chlen-korrespondent AN USSR (for Polyakov).
2. Kafedra rudnichnogo transporta Dnepropetrovskogo gornogo instituta (for Shtokman, Bakhurin, Kuznetsov, Bilichenko, Rengevich). 3. Kafedra rudnichnogo transporta Moskovskogo gornogo instituta (for Yevnevich).

(Ore dressing) (Ore handling) (Conveying machinery)

FROLOV, A.G., doktor tekhn.nauk; KOZLOVSKIY, S.I., kand.tekhn.nauk

Over-all mechanization of operations on mine surfaces. Izv. vys.  
ucheb. zav.; gor. zhur. no.12:3-14 '60. (MIRA 14:1)

1. Institut gornogo dela Akademii nauk SSSR.  
(Mining engineering--Equipment and supplies)



KOZLOVSKIY, S.I., kand.tekhn.nauk

Pneumatic equipment for the change of cars. Mekh.i avtom.  
proizv. 14 no.9:40-42 S '60. (MIRA 13:9)  
(Pneumatic control) (Mine railroads--Cars)

FROLOV, A.G.; KOZLOVSKIY, S.I.; MELAMED, Z.M.; ~~GERCHENOV~~, I.S.; UVAROV, S.G.;  
ZVENIGORODSKAYA, G.V.; KOSTAN'YAN, A.Ya., red. izd-va;  
SHEVCHENKO, G.N., tekhn. red.; PRUSAKOVA, T.A., tekhn. red.

[Principles for the improvement of industrial complexes on  
mine surfaces] Osnovy sovershenstvovaniia tekhnologicheskikh  
kompleksov poverkhnosti shakht. [By] A.G.Frolov i dr. Mo-  
skva, Izd-vo AN SSSR, 1963. 135 p. (MIRA 16:12)

1. Moscow. Institut gornogo dela.  
(Mine buildings)

LIVYY, G.V.; KAZARINA, N.N.; GIL'MAN, B.A.; RUDENKO, S.D.; DREVINA, N.G.;  
~~SEMERETSKAYA~~, N.S.; ALPATSKAYA, V.P.; KOZLOVSKIY, S.I.;  
SLYUNIN, B.S.

Development and application of reinforced film coating of sheepskins  
for coats. Kozh.-obuv.prom. 4 no.3:25-28 Mr '62. (MIRA 15:5)  
(Fur-Dressing and dyeing)

KOZLOVSKIY, S.M.; GOL'TSMAN, N.I.

Special characteristics of perception in studying the processes of  
photographic reproduction in black and white tones. Vop. psikhol.  
10 no.1872-82 Ja-F'64 (MIRA 17:3)

1. Vsesoyuznyy nauchno-issledovatel'skiy kinofotoinstitut, Moskva.

28 (4)

AUTHORS:

1) Mironenko, Yu. P.,  
2) Kozlovskiy, S. S., 3) Vopilkin, Ye. A., Vertousov, V. S.,  
Chirimanov, V. P., 4) Ivanyan, A. K.

S/032/60/025/01/046/052

B010/B009

TITLE:

News in Brief

PERIODICAL:

Zavodskaya laboratoriya, 1960, Vol 26, Nr 1, pp 118 - 119 (USSR)

ABSTRACT:

1) recommends for continuous pressure measurements the use of spiral feelers of tension-sensitive wire for pressure cells. The pressure cell design with the wire coils is given (Figure), and the manufacturing technology is described. Particularly sensitive pressure cells may be produced from wires with different tension sensitivities, such as constantan ( $K=2.0$ ) and nickel ( $K = -12$ ). 2) reports on apparatus developed by him for measuring the deformability of materials exhibiting a low lengthwise elasticity modulus. The basic scheme of the apparatus is given (Figure). They are designed for loads from 1 to 20 kg. The longitudinal and transversal deformations of the cubic samples are measured by means of micrometer screws with an accuracy up to 0.01 mm in such a way that an electric bulb lights up at the contact between the lamella (attached to the cube

Card 1/2

News in Brief

S/032/60/026/01/046/052  
B010/B009

surface) and the micrometer. 3) report on a mold of St.3 steel for casting ED-6 epoxy resin (Figure) which may be used in place of the glass mold so far used, which had to be discarded after use. The steel mold was polished and chromium-plated and subsequently covered with a 10% polyisobutylene solution in gasoline to prevent an adhesion of the artificial resin to the mold. 4) reports that a vacuum cleaner is being used successfully at the present institute for glass blowing work as well as vacuum filtrations. There are 3 figures and 1 Soviet reference. ✓

ASSOCIATION: 1) Institut yadernoy fiziki Akademii nauk KazSSR (Institute of Nuclear Physics of the Academy of Sciences of the KazSSR).  
3) Laboratoriya zavoda (Laboratory of the Plant). 4) Institut geologicheskikh nauk Akademii nauk Armyanskoy SSR (Institute of Geological Sciences of the Academy of Sciences of the Armyanskaya SSR)

Card 2/2

IONAT, Askol'd Aleksandrovich; AFANAS'YEV, K.F., dots., retsenzent;  
PARFENOV, A.N., dots., retsenzent; KOZLOVSKIY, S.S., dots.  
red.

[Solid state physics; methodological textbook for correspondence students of the Grozny Petroleum Institute] Fizika tverdogo tela; uchebno-metodicheskoe posobie dlia studentov-zaochnikov Groznenskogo neftianogo instituta. Grozny, Groznenskii neftianoi in-t, 1964. 113 p. (MIRA 18:3)

1. Checheno-Ingushskiy gosudarstvennyy pedinstitut (for Afanas'yev).
2. Groznenskiy neftyanoy institut (for Parfenov).
3. Kafedra fiziki Groznenskogo neftyanogo instituta (for Kozlovskiy).

KOZLOVSKIY, V.

To higher altitudes. Grazhd. av. 18 no. 4:16-17 '61. (MIRA 14:4)  
(Navigation (Aeronautics))



KOZLOVSKIY, V., inzh.

Weight and quality. Av.1 kosm. 45 no.3:61-69 Mr '63. (MIRA 16:3)  
(Airplanes—Design and construction)

KOZLOVSKIY, V., red.; KOCHETKOV, A., red.; KLYUMEL', A., tekhn. red.

[Corn in Soviet Latvia] Kukuruz v Sovetskoi Latvii. Riga, Latvinskoe gos. izd-vo, 1960. 218 p. (MIRA 14:11)  
(Latvia—Corn (Maize))

KOZLOVSKIY, Vlodimezh

Development of the Polish glass industry. Stek. i ker. 19 no.2:  
42-43 F '62. (MIRA 15:3)

(Poland--Glass manufacture)

KOZLOUSKIY, V. A.  
ZAKHVATKIN, V. K.; KOZLOVSKIY, V. A.; NIKOL'SKIY, D. A.; USHAKOV, M. V.

Conclusions drawn from experience in planning and building  
concentration plants. TSvet.met. 27 no.6:5-19 H-D '54. (MIRA 10:10)

1. Institut Mekhanobr.

(Ore dressing)

FEDORENKO, A.M. (stantsiya Gatchina); KOZLOVSKIY, V.A. (stantsiya Gatchina)

We make economical use of every minute. Put' i put. khoz. no. 8:4-  
7 Ag '58. (MIRA 11:8)

1. Nachal'nik putevoy mashinnoy stantsii-75 (for Fedorenko).
2. Glavnyy inzhener putevoy mashinnoy stantsii-75 (for Kozlovskiy).  
(Railroads--Track)

KOZLOVSKIY, V.A.

High labor productivity. Puti i put. khoz. no.4:7-8 Ap '59.  
(MIRA 13:3)

1. Nachal'nik putevoy mashinnoy stantsii - 75, stantsiya Gatchina,  
Okt'yabr'skoy dorogi.  
(Gatchina--Railroads--Maintenance and repair)

KOZLOVSKIY, V.A., inzh.; KRASOVSKIY, S.N., inzh.

Laying of rail lengths without end cutting. Put' 1 put.khoz. 9  
no.5:8-12 '65. (MIRA 18:5)

1. Nachal'nik putevoy mashinoy stantsii No.75, stantsiya Gatchina,  
Oktyabr'skoy dorogi (for Kozlovskiy). 2. Stantsiya Gatchina,  
Oktyabr'skoy dorogi (for Krasovskiy).

KOZLOVSKIY, V. B.

Cand Agr Sci - (diss) "Formation and course of growth of mixed spruce-larch plantings in the Northern Priam'." Voronezh, 1961. 27 pp with diagrams; (Ministry of Higher and Secondary Specialist Education RSFSR, Voronezh Forestry Engineering Inst); 150 copies; price not given; (KL, 6-61 sup, 231)



VASIL'YEV, Prokofiy Vasil'yevich, doktor ekonom.nauk; KOZLOVSKIY,  
Vadim Borisovich, STAROSTENKOVA, M.M., red.; ~~SAVOINIKO,~~  
Ye.V., tekhn.red.

[Timber resources of the U.S.S.R. and their industrial  
utilization in the seven-year plan] Lesnye bogatstva  
SSSR i ikh promyshlennoe ispol'zovanie v semiletke. Moskva,  
Izd-vo "Znanie," 1959. 31 p. (Vsesoiuznoe obshchestvo po  
rasprostraneniю politicheskikh i nauchnykh znanii. Ser.8,  
no.20) (MIRA 12:11)  
(Forests and forestry) (Wood-using industries)

UMANSKIY, M.M.; ZOLINA, Z.K.; ZUBENKO, V.V.; KOZLOVSKIY, V.F.

Comparison of the efficiencies of BSV-1, BSV-2, BSV-4, BSV-6,  
BSV-8, and BSV-9 tubes in structure studies. Kristallografiia  
8 no.2:300-301 Mr-Apr '63. (MIRA 17:8)

1. Moskovskiy gosudarstvennyy universitet imeni Lomonosova.

KOZLOVSKIY, V.G., inzh.

Selecting the efficient method of erecting supports for a contact  
system. Transp. stroi. 13 no.6:53-54 Je '63. (MIRA 16:9)  
(Electric railroads—Poles and towers)

SHURYGIN, V.P., kand. tekhn. nauk; KOZLOVSKIY, V.G.; VABOLOTSKIY, L.F., inzh.

[Investigating the design of overhead contact systems and methods of constructing them.] Issledovanie konstruktivnykh kontaktnei seti i metodov ee sooruzheniya. Moskva, Transport, 1965. 147 p. (Vsesoyuznyy nauchno-issledovatel'skiy institut transportnogo stroitel'stva. Trudy, no.55) (MIRA 18:7)

38220. KOZLOVSKIY, V.

Ob organizatsii mekhpородnogo promyshlennogo skreshchivaniya sviney.  
Myas. industriya SSSR. 1949, No 6, s. 82-86

RED'KIN, A. P., Prof., KOZLOVSKIY, V. G.

Swine Breeding

Question of using "Mangalitskiy" hogs in commercial crossbreeding. Sov. zootekh. 7,  
No. 8, 1952

Kandidat Biologicheskikh Nauk

SO: Monthly List of Russian Accessions, Library of Congress, September <sup>2</sup>195~~8~~, Uncl.

KOZLOVSKIY, V. [G.]

Swine Breeding

Crossbreeding of swine as a method for raising pork quality, Piac. ind. 24, No. 1, 1953.

9. Monthly List of Russian Accessions, Library of Congress, May 1953. Unclassified.

KOZLOVSKIY, V. kandidat selskokhozyaystvennykh nauk; TOMSK. I.  
~~APPROVED FOR RELEASE: Monday, July 31, 2000~~ ~~kandidat sel'skokhozyaystvennykh nauk.~~

CIA-RDP86-00513R00082 200

Standardizing the hog fattening system. Mins.ind.SSSR 25 no.1:50-52 '54.  
(MLRA 7:3)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut myasnoy promyshlennosti.  
(Swine--Feeding and feeding stuffs)

Kozlovskiy, V.

USSR / Farm Animals. Cattle

Q-2

Abs Jour: Ref Zhur Biol., No 2, 1958, 7144

Author : V. Kozlovskiy, N. Smirnov

Inst : Not given

Title : The Possibility of Shortening the Dry Period of Cows

Orig Pub: Molochn. i myasnoye zhivotnovodstvo, 1957, No 7, 57-61

Abstract: No abstract.

Card 1/1

COUNTRY : USSR

CATTLE : Cattle.

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CIA-RDP86-00513R00082 200

ABS. JOUR. : RZhBiol., No. 6, 1959, No. 25787

AUTHOR : Kozlovskiy, V.; Smirnov, N.

INST. : -

TITLE : Against the Stereotype in Breeding Work.

ORIG. PUB. : Molochn. i myasn. zhivotnovodstvo, 1957, No 12, 30-36

ABSTRACT : At the "Nikonovskoye" sovkhos in Moscow oblast , a purebred herd of black-spotted cattle was raised with milk yields of more than 6,000 kg per lactation but with a low (3.5 percent) fat content on the basis of constantly improving keeping and feeding conditions and by absorptive crossing of cows of varied breeds producing up to 2,000 kg of milk per lactation with ~~fast~~friesian bulls. Sires were selected according to the method of comparing the

CARD: 1/2



COUNTRY : USSR  
CATEGORY :

ABS. JOUR. : RZhBiol., No. 1959, No.

AUTHOR :  
INST. :  
TITLE :

ORIG. PUB. :

ABSTRACT : milk yields of mothers and daughters, and only animals which could improve the breed were permitted to mate. Within one generation, an increase of 0.1-0.3 percent was obtained in the milk's fat content of cows by selecting bulls whose mothers' and grandmothers' milk contained 3.9-5.16 percent of fat. -- A. D. Musin

Card: 2/2

KOZLOVSKIY, V.G.

KOZLOVSKIY, V.G., kand. sel'skokhozyaystvennykh nauk.

Breeding work on the "Nikonovskoe" State Farm. Zhivotnovodstvo 20  
no.1:66-78 Ja '58. (MIRA 11:1)

1. Direktor sovkhosa "Nikinovskoye."  
(Swine breeding) (Dairy cattle breeding)

KOZLOVSKIY, V.G.

Fortieth anniversary of the Nikonovskoye State Farm, Zhivotnovodstvo  
20 no. 10:35 0 '58. (MIRA 11:10)

1. Direktor plemsovkhoza "Nikonovskoye", Moskovskoy oblasti.  
(State farms)

KOZLOVSKIY, V. G., Doc Agr Sci -- (diss) "Scientific and practical bases for breeding work in hog-raising. (From the example of work in hog flock improvement of the large white variety in the "Nikonovskoye" breeding farm in the period 1942-1959)." Moscow, 1960. 39 pp; (Moscow Order of Lenin Agricultural Academy im K. A. Timiryazev); 130 copies; price not given; (KL, 18-60, 153)

KOZLOVSKIY, V.I., kand.tekhn.nauk; MALYSHEV, G.A., kand.tekhn.nauk

Small-size wet steam separator. Sudostroenie 28 no.4:28-31

Ap '62.

(MIRA 15:4)

(Steam separators)

Kozlovskiy, V. Kh.

USSR.

✓ The effective field in various titanates. V. Kh. Kozlovskiy. 62  
Zhur. Tekh. Fiz. 21, 1388-94 (1951). -- The effective field,  
that acts upon the ions in a crystal, was calc'd. for lattices  
of the perovskite type when displacement of the ions occurs.  
The results obtained are applied to  $\text{BaTiO}_3$  at temps. below  
the Curie point. J. Kovtar Leach

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CIA-RDP86-00513R000825920

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CIA-RDP86-00513R000825920C

Kozlovskiy, V. Kh.

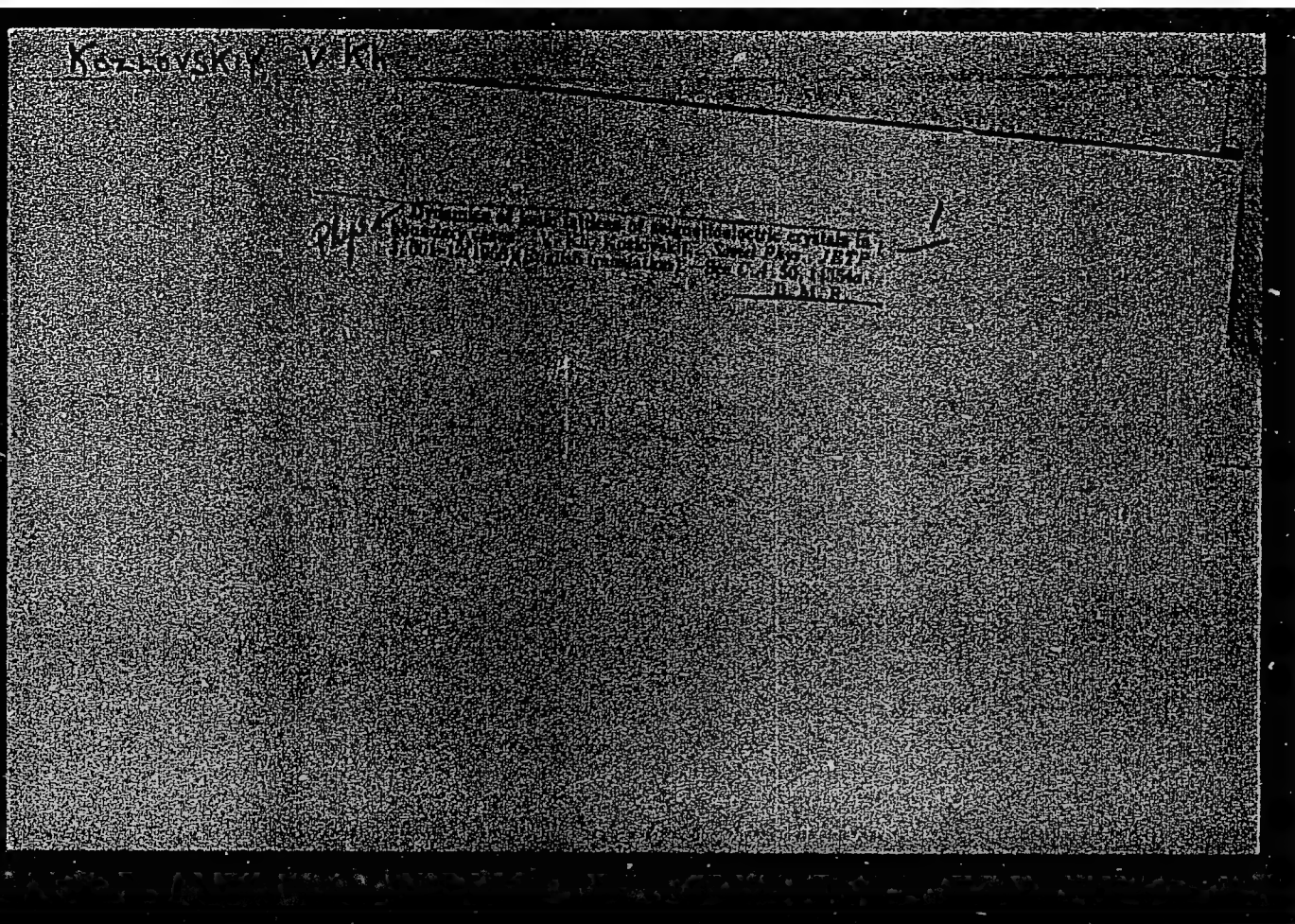
# USSR

1. Thermodynamic theory of antiferroelectrics. (Kozlovskiy, V. Kh. Kozlovskiy, V. Kh. Zh. fiz. tverd. tel. 22, 1984, No. 1, p. 144-49 (1984) (Russian). In ferroelectric crystals of perovskite type the center ions of the oxygen octahedra are shifted relative to the center of the octahedron. However, the possibility exists of a spontaneous distribution of the ions in certain crystals so that the center ions in adjacent octahedra move in an antiparallel sense. In such a crystal domain crystal the total spontaneous polarization is zero, it being described as an antiferroelectric crystal. Previous attempts yielded a thermodynamic theory of antiferroelectrics based on Landau's theory of ferroelectrics, but dealt only with the equilibrium state without considering the transition and deformations, and only with the phase transition from the antiferroelectric state into the ferroelectric state. The present paper considers transitions from the antiferroelectric into the ferroelectric state as well as from antiferroelectrics into the ferroelectric (paraelectric) state, the latter considering symmetry and deformations. The possible cases are treated in the absence and presence of external electric fields. The most important features of dielectric constant, polarization, hysteresis, and other properties are calculated and the graphs representing the physical phenomena are discussed. P. F. KRUMHOLTZ

Inst. Solid State Chemistry  
ACUSR

68





KOZLOVSKIY, V. Kh.

USSR / Electricity

G

Abs Jour : Ref Zhur - Fizika, No 4, 1957, No 9654

Author : Kozlovskiy, V. Kh.

Inst : Not given

Title : Dynamic Theory of Ionic Lattices of Ferroelectric Crystals  
in Static Conditions.

Orig Pub : Zh. tekhn. fiziki, 1956, 26, No 5, 963-976

Abstract : Examination of one-dimensional anharmonic oscillations in a system of interacting deformable ions, comprising the crystalline lattice. Under certain conditions of symmetry, the Lagrange function of such a lattice can be represented in the form of an expansion in even powers of the average displacement and of the dispersion of the displacement of the ion. The degree of correlation in the motion of the ions of the lattice and the ferroelectric properties of the crystal are determined by the coefficients of this expansion.

Card : 1/3

USSR / Electricity

G

Abs Jour : Ref Zhur - Fizika, No 4, 1957, No 9654

Abstract : The author introduces the concepts of strongly and weakly correlated ferroelectrics, to which there correspond various types of dependences of the correlation coefficient on the temperature. Strongly correlated ferroelectrics are characterized by a transition of the first kind and by a temperature hysteresis, while weakly correlated ferroelectrics are characterized by a phase transition of the second kind.

The dependences of the displacement and dispersion on the temperature in strongly correlated ferroelectrics is in qualitative agreement with X-ray-diffraction data for  $\text{BaTiO}_3$ . Incidentally, ceramics made of  $\text{BaTiO}_3$  can be more readily referred to as weakly correlated ferroelectrics, which, in the author's opinion, is explained by the influence of the defects that form during the sintering process on the value of the correlation coefficient.

Card : 2/3

USSR / Electricity

G

Abs Jour : Ref Zhur - Fizika, No 4, 1957, No 9654

Abstract : An approximate solution is given for the equations of motion in strong fields and the connection between the degree of correlation in the shape of the loops of the dielectric hysteresis of the ferroelectric are established near and away from the Curie temperature.

Card : 3/3

KOZLOVSKIY, V. Kh.

SUBJECT USSR / PHYSICS  
 AUTHOR KOZLOVSKIY, V. CH.  
 TITLE The Problem of the Dielectric Losses in Dense Amorphous Structures.  
 PERIODICAL Zhurn. techn. fis., 26, fasc. 10, 2254-2258 (1956)  
 Issued: 11 / 1956

CARD 1 / 2

PA - 1670

The author bases upon the fact that the absorption of electromagnetic energy in a dense amorphous structure is connected with the dynamics of ions and not with their relaxations. The potential energy of the structure can, like in the usual theory of crystals, be represented as a quadratic function of the shifts. (This does not apply if the introduction of new components into the glass causes the occurrence of loose places, weakly bound ions, etc.). The dissipation of energy is described by a dissipation function  $R$ :  $dE/dt = - \sum_k \partial R / \partial \dot{x}_k$ . Here  $E$  denotes the energy of the ordered motion. In the most simple case  $R$  is proportional to the kinetic energy of the body:  $R = (1/\tau)W$ . It then applies for the reduction of energy with progressing time that  $E = E_0 e^{-t/\tau}$ . In the case of the propagation of a plane electromagnetic wave in the crystal, the enforced oscillations of the lattice represent a plane wave the wave vector of which is equal to the wave vector of the electromagnetic wave. The normal coordinates corresponding to the other possible oscillations of the lattice are not excited. In an amorphous structure the enforced oscillations are not represented by plane waves, and therefore there is no restriction to the excitation of normal coordinates. An electromagnetic wave is able, in an amorphous structure,

Žurn.techn.fiz,26,fasc.10, 2254-2258 (1956) CARD 2 / 2

PA - 1670

to excite a broad spectrum of eigenfrequencies.

Furthermore, the particle of an amorphous substance investigated here is so small that the delay of electric excitation can be neglected. However, the particle is assumed to be so large that it retains the properties of amorphous structure. The selected cube, the length of whose edges is  $10^{-4}$  cm, contains up to  $10^{12}$  ions. In this case electromagnetic oscillations with wave lengths of at least  $10^{-2}$  cm are studied, which corresponds to frequencies of  $10^{12}$  o at the most. The expressions for the potentials and the kinetic energy of the cube are written down. The electric field is assumed to be given and the motions of ions under the influence of the field are considered to be enforced oscillations. The classical equations of motion which apply in the case of not too low temperatures are written down, and besides also expressions for the enforced oscillations and for the dipole moment of the investigated sample. For the dielectricity constant the asymptotic formula

$$\epsilon = \epsilon_{\infty} + (4\pi\beta/3)\ln\omega_m - (4\pi\beta/3)\ln\Omega - 1(4\pi\beta/3) \left( \frac{\pi}{2} + \text{arctg } \tau \Omega \right)$$

is finally found. At  $\Omega \tau \gg 1$  the linear frequency dependence of  $\epsilon$  is a near approach to actual conditions.

INSTITUTION: Institute for the Chemistry of Silicates of the Academy of Science in the USSR

KOZLOVSKIY, V.Kh.

Dynamics of ionic lattices of ferroelectric crystals in limiting cases. Zhur.eksp.i teor.fiz. 30 no.4:766-779 Ap '56. (MLRA 9:8)

1. Institut khimii silikatov Akademii nauk SSSR.  
(Ferroelectric substances) (Crystal lattices) (Ionic crystals)

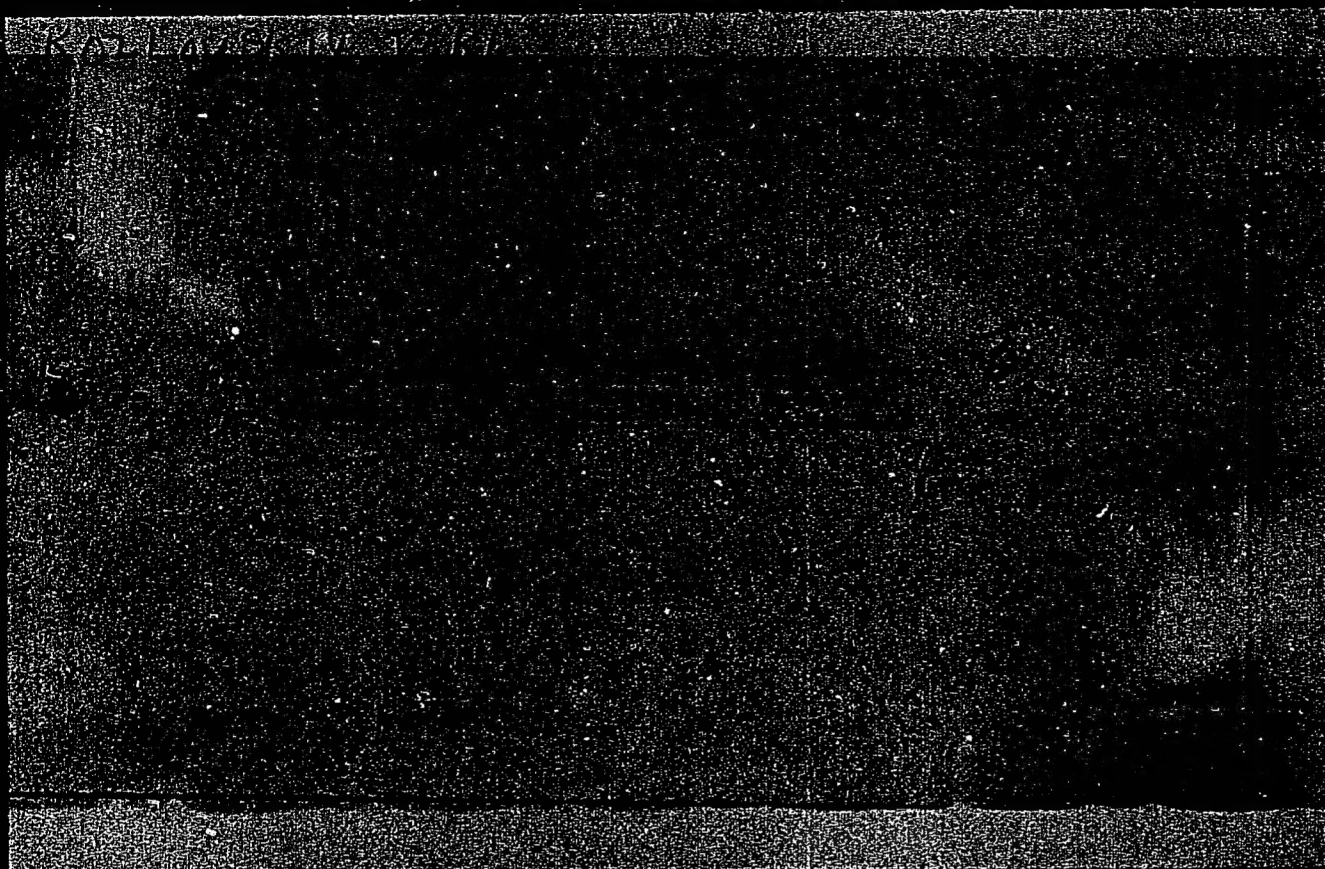
KOZLOVSKIY, V. Kh. Cand Phys-Math Sci -- (diss) "The Molecular-  
Dynamic Theory of the Ferroelectric Properties of Crystals."  
Len, 1957. 19 pp 20 cm. (Len Order of Lenin State Univ im  
A. A. Zhdanov), 100 copies (KL, 17-57, 94)

- 5 -



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APPROVED FOR RELEASE: Monday, July 31, 2000

CIA-RDP86-00513R000825920C

Kozlovskiy V. Kh.

SUBJECT: USSR/Luminescence

48-3-8/26

AUTHOR: Kozlovskiy V. Kh.

TITLE: Dynamics of Ions and Electrostatical Energy of Ferroelectrics  
(Dinamika ionov i elektrostatischeeskaya energiya segneto-  
elektrikov)

PERIODICAL: Izvestiya Akademii Nauk SSSR, Seriya fizicheskaya, 1957, Vol 21,  
# 3, pp 352-358 (USSR)

ABSTRACT: In molecular theories of ferroelectricity it is necessary to  
consider the motions of ferroelectric vibrators in an anharmonic  
force field of some kind. The author applies dynamic principles,  
taking into account anharmonic forces.

Ferroelectrics with one and with two movable rigid lattices  
are considered. In the case of one ferroelectric lattice, there  
is one phase transition of the I kind, if interaction is weak;  
and of the II kind, if the interaction is strong. In the case  
of two ferroelectric lattices, there are two phase transitions  
of the I kind at the weak interaction, and one transition of  
the II kind at the strong one.

Card 1/3

48-3-8/26

TITLE: Dynamics of Ions and Electrostatical Energy of Ferroelectrics  
(Dinamika ionov i elektrostatischeeskaya energiya segneto-  
elektrikov)

Then the general case of a non-rigid ferroelectric lattice is considered. The properties of a ferroelectric depend essentially on the rate of decrease of correlation coefficient with temperature. If this decrease is sufficiently slow, the correlation is rigid, and the phase transition of the I kind is accompanied with temperature hysteresis. For the case of a soft correlation, when the correlation coefficient varies considerably with temperature, the phase transition is continuous. Then the behavior of a rigid-correlated ferroelectric in a strong electric field is considered, and changes of hysteresis loops with heating are given. The theory presented is a phenomenological one.

A formula for calculation of the coefficient " $c_e$ ", which is called the electrostatical coefficient of astaticity of a sublattice, has been derived.

The author makes use of some numerical data found by him in a former paper (5) and calculates the value of " $c_e$ " for the ions of titanium in  $\text{BaTiO}_3$ , as equal to  $6.10^5$  CGS and the value of titanium ions displacements " $s$ " as equal to  $0.05 \text{ \AA}$ . This latter

Card 2/3

48-3-8/26

**TITLE:** Dynamics of Ions and Electrostatical Energy of Ferroelectrics  
(Dinamika ionov i elektrostatocheskaya energiya segneto-  
elektrikov)  
value agrees well with the measured values of ion displacements  
cited in the table of the paper.  
The article contains 4 figures and 1 table. The bibliography  
lists 8 references, of which 2 are Slavic (Russian).

**INSTITUTION:** Institute of Semiconductors of the USSR Academy of Sciences

**PRESENTED BY:**

**SUBMITTED:** No date indicated

**AVAILABLE:** At the Library of Congress.

Card 3/3